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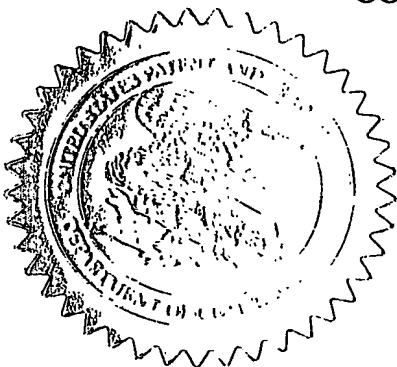
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FILING DATE.

APPLICATION NUMBER: 60/456,727

FILING DATE: March 24, 2003

RELATED PCT APPLICATION NUMBER: PCT/US04/08614

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No.

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INVENTOR(S)						
Given Name (first and middle (if any))		Family Name or Surname		Residence (City and either State or Foreign Country)		
Curtis Fredrick		Giese		17157 Buttonwood St. Fountain Valley, CA 92708		
<input type="checkbox"/> Additional inventors are being named on the _____ separately numbered sheets attached hereto						
TITLE OF THE INVENTION (500 characters max)						
Device for conveniently towing a trailing bicycle by a leading bicycle.						
Direct all correspondence to: CORRESPONDENCE ADDRESS						
<input type="checkbox"/> Customer Number		<input type="text"/>			<input type="checkbox"/> Place Customer Number Bar Code Label here	
OR Type Customer Number here						
<input checked="" type="checkbox"/> Firm or Individual Name		Curtis Fredrick Giese				
Address		17157 Buttonwood Street				
Address						
City		Fountain Valley	State	CA	ZIP	92708
Country		Orange	Telephone	714-9689777	Fax	7149689777
ENCLOSED APPLICATION PARTS (check all that apply)						
<input checked="" type="checkbox"/> Specification Number of Pages		2		<input type="checkbox"/> CD(s), Number		<input type="text"/>
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets		4		<input type="checkbox"/> Other (specify)		<input type="text"/>
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76						
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT						
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					FILING FEE AMOUNT (\$)	
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees					\$150.00	
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<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.						
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.						
<input checked="" type="checkbox"/> No.						
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____						

Respectfully submitted,

SIGNATURE

Curtis Giese

Date 3/17/2003

TYPED or PRINTED NAME Curtis F. Giese

REGISTRATION NO.
(if appropriate)
Docket Number:

TELEPHONE 714-968-9777

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

PROVISIONAL APPLICATION COVER SHEET
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INVENTOR(S)/APPLICANT(S)		
Given Name (first and middle (if any))	Family or Surname	Residence (City and either State or Foreign Country)
Curtis, Fredrick	Giese	17157 Buttonwood Street Fountain Valley, CA 92708

Number 1 of 7

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SPECIFICATION

The device that is the subject of this application is a device whose purpose is the towing of a trailing bicycle by a leading bicycle. The particular art that this device relates to is that which pertains to the augmentation and/or enhancement of an already existing bicycle.

The device, in its preferred embodiment, is constructed of aluminum parts that have been permanently welded to one another to form the basic body of the structure consisting of an arched arm with an adjustable clamp on one end and a joint/rocker combination and another clamp on the other end. To this body, one then may affix the removable sliding sleeve and its attached U-shaped fork using devices of attachment such as bolts, etc. Many of the parts for the device are readily available, standardized parts. These parts need no further description other than their names. The part that is not standardized is the arched arm that spans the distance between the leading and trailing bicycles. This part is made of aluminum that has been bent into shape using a metalwork method known as rolling. In the embodiment displayed in Figures A-D, the arm is a hollow rectangular prism that has been bent into an arc whose degree may vary per the wishes of the manufacturer. The arm's function does not depend on its being a rectangular prism; it could conversely be cylindrical if the manufacturer desired it so. The other parts; the braces, joint, rocker, fork, slider and pins are all available as standardized parts from any number of manufacturers and are made of aluminum in the preferred embodiment of the device, though they may be made of any number of sturdy materials per the wishes of the manufacturer.

The device's composition is as follows, from right to left as shown in Figure A and using the naming conventions given in the legend on Figure A:

An adjustable brace (2) that connects to the seat post of a leading bicycle. This device can be adjusted and then tightened in place using pins or other implements of affixation to accommodate a multitude of different thickness bars.

A rocker (6) and joint (4) that is welded to the brace (2). The function of the rocker/joint combination is to allow easy movements in two ranges of motion, up/down and left/right.

An arm (1) that is either welded to the joint (4) or affixed using a pin (5).

A slider (7) that fits over the arm (1) in a sleeve-like fashion allowing it to be moved along the length of arm (1) per the desires of the user.

A fork (3) that is affixed to the slider (7) using a pin (5) or other implement of affixation. This fork can alternately attach to the front wheel of the trailing bicycle while it is being towed or to the rear wheel of the leading bicycle if a bike is not being towed.

Another adjustable brace (2) whose function is to attach to the gooseneck/bar below the handlebars of the trailing bicycle in the same way as the rightmost brace attaches to the seat post of the leading bicycle.

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Curtis Fredrick GieseApplication or Patent No.: new application attachedFiled or Issued: 3/17/2003Title: Device for conveniently towing a trailing bicycle by a
leading bicycle.

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☒ the specification filed herewith with title as listed above.
- ☒ the application identified above.
- ☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ No such person, concern, or organization exists.
- ☐ Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Curtis F. Giese
NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

Curtis F. Giese
Signature of inventor

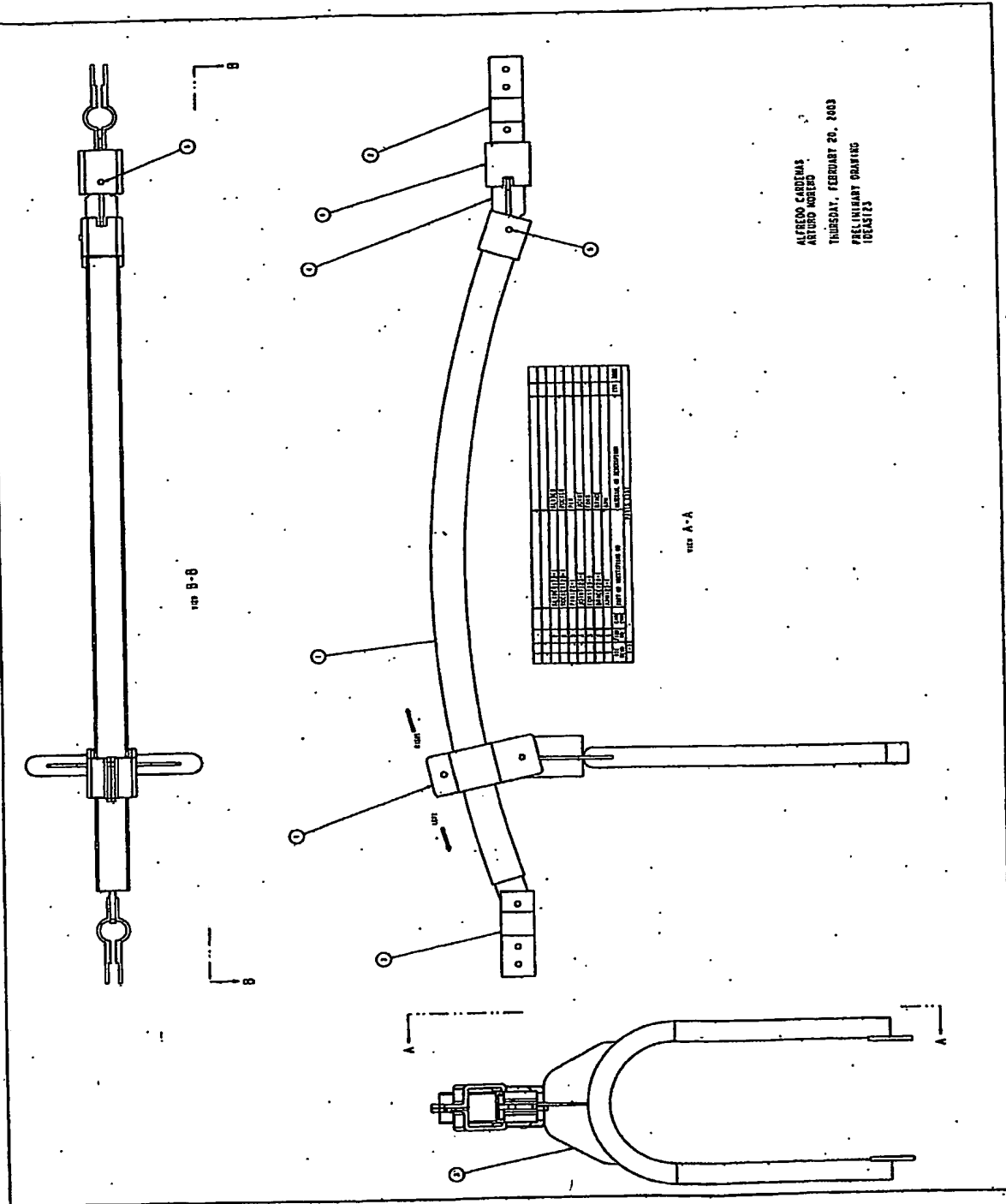
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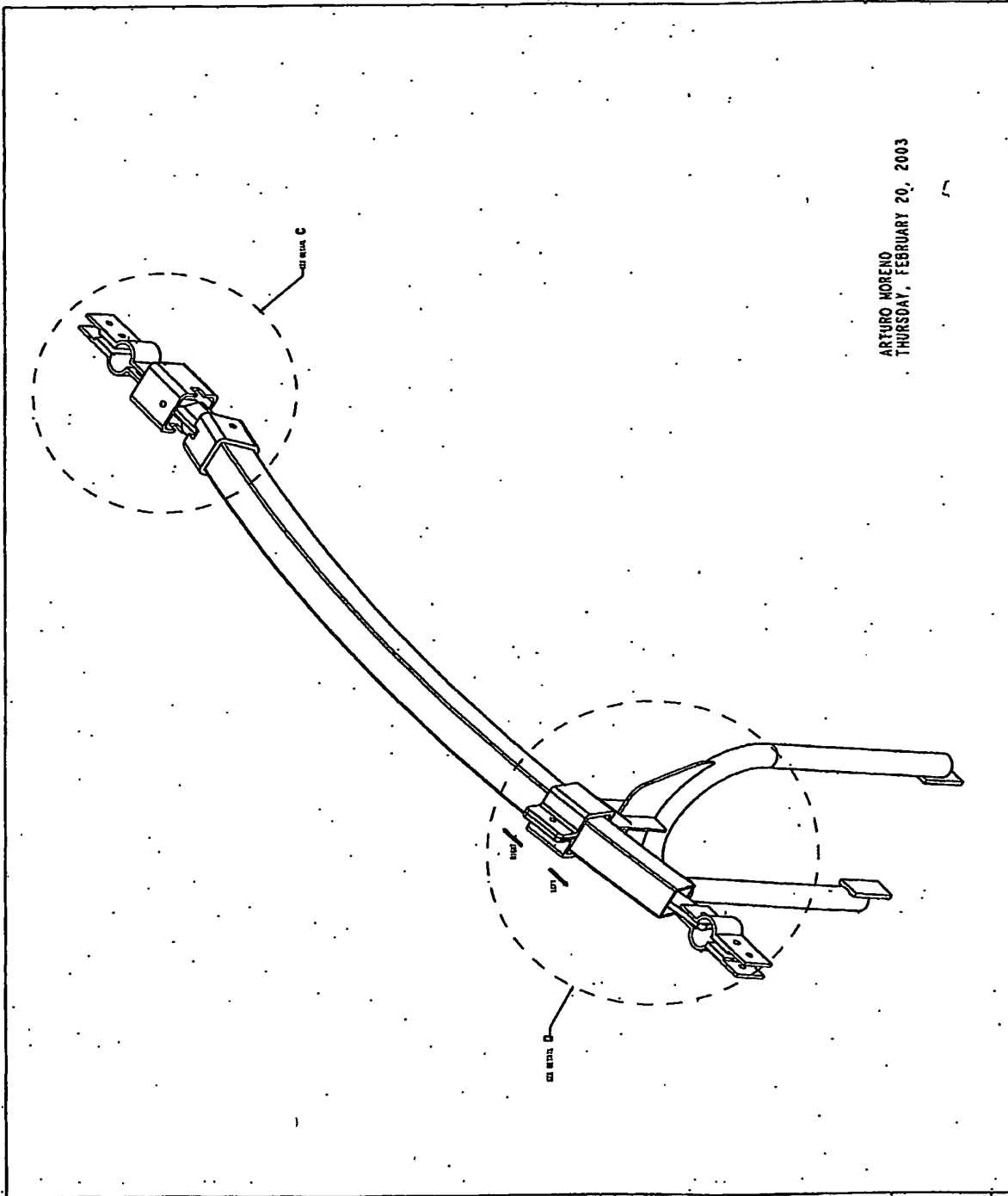
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March 17, 2003
Date

Date

Date





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THURSDAY, FEBRUARY 20, 2003

FIGURE B

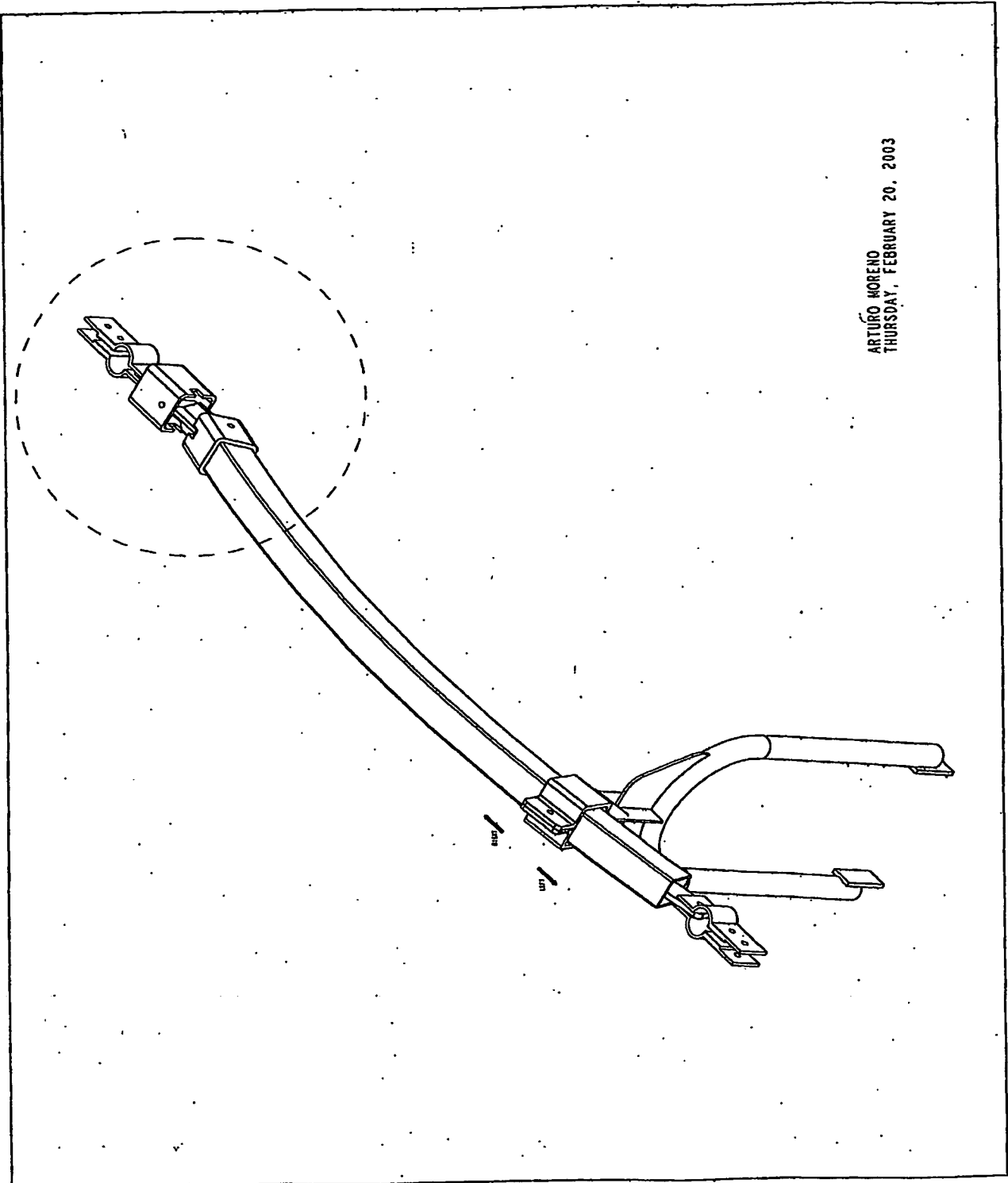


FIGURE C

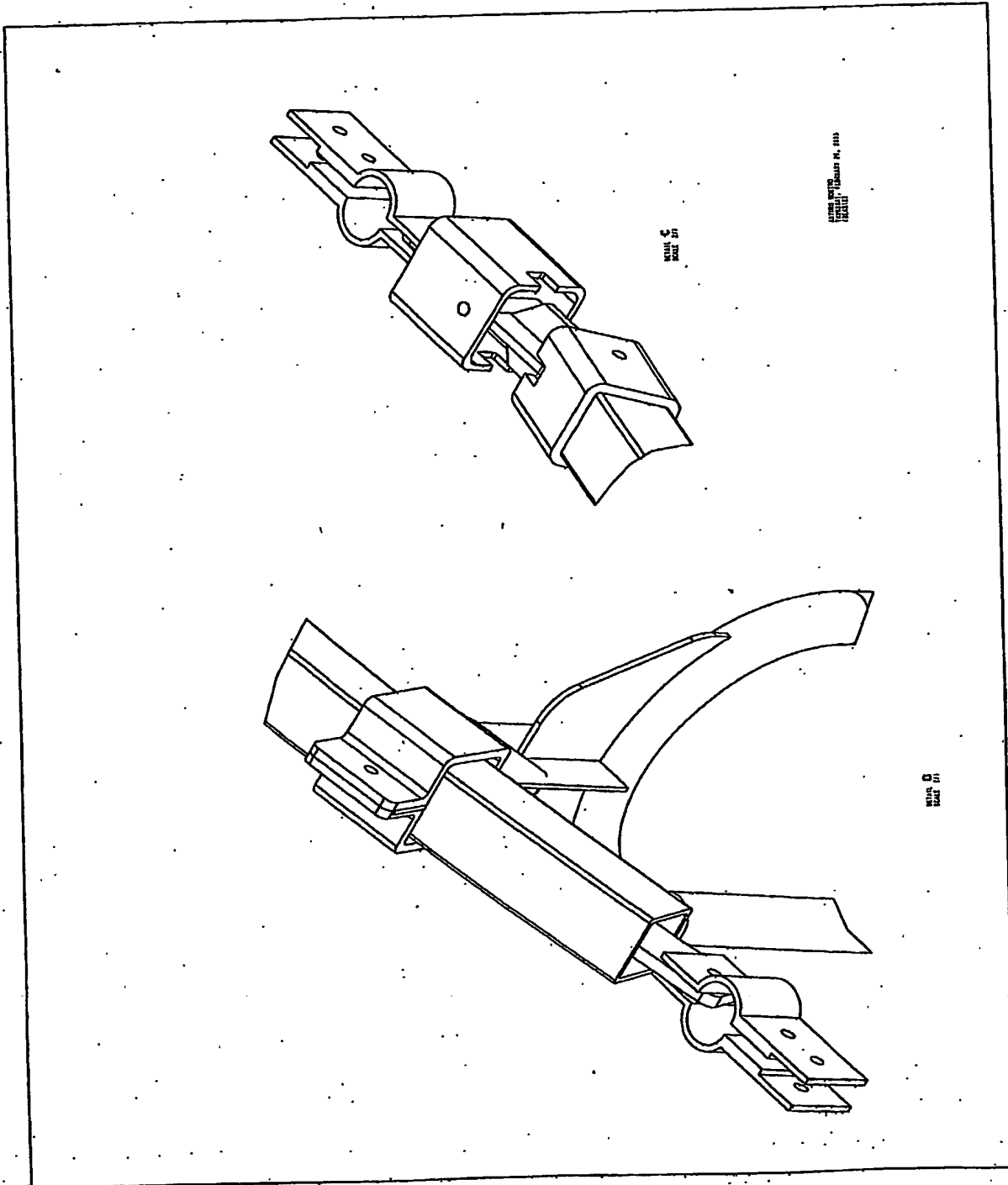


FIGURE D

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